APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.
09/192,583	11/17/98	MOTOYAMA	T	5244-0084-2X

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EXAMINER
HO. C

ART UNIT	PAPER NUMBER
2153	

DATE MAILED:

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Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary	Application No.	Applicant(s)
	09/192,583	Motoyama
	Examiner	Group Art Unit
	Chuong Ho	2153

☒ Responsive to communication(s) filed on *Dec 26, 2000* _____ .

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire ____*three*____ month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) *1-53* _____ is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) *1-53* _____ is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☒ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐approved ☐disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) _____ .

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____ .

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). ____*2*____

☐ Interview Summary, PTO-413

☒ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

1.   The amendment filed 12/26/00 have been entered and made of record.

2.   Applicant's arguments filed 12/26/00 with respect to claims 1-53 have been considered

but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness

rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in
> section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are
> such that the subject matter as a whole would have been obvious at the time the invention was made to a person
> having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the
> manner in which the invention was made.

4.   Claims 1, 2, 3, 8, 12-17, 18, 20, 23-25, 34, 35, 36, 37-39, 40, 42, 45, 46, 48, 50, 51, 52

are rejected under 35 U.S.C. 103(a) as being unpatentable over Kuwabara (U.S.Patent

No.6,065,136) in view of Motoyama (U.S.Patent No.5,544,289).

Regarding to claims 1, 18, 23, 40, Kuwabara discloses a program for trouble shooting

inspection is set in the form of electronic mail by the mail setting program and to User A through

the Internet communication from the trouble diagnosing computer ; comprising:

♦   receiving an electronic mail message by a computer (Computer C1); determining whether

the message which has been received is for a device (Main part 11) associated with the

computer (Computer C1) (see figure 1, figure 2, , col.5, lines 65-67, col.6, lines 1-22);

♦   transmitting a communication from the computer (Computer C1) to the device (Main Part

11), when the step of determining determines that the message is for the device (Main Part

11) (see figure 1, figure 2, col.5, lines 65-67, col.6, lines 1-22, col.4, lines 33-34).

However, Kuwabara does not disclose the device being office device including a

processor.

Motoyama discloses a business office device including a processor; and operating the

processor of the device in response to the communication from a control computer (see col.1,

lines 28-33, lines 63-67, col.2, lines 1-8).

Given the teaching of Motoyama, it would have been obvious to one of ordinary skill in

the art at the time of the invention to modify Kuwabara's system to control business office device

of Motoyama because it would have enable remote diagnostic of the business mechine via

electronic mail message.

5.   Regarding to claim 2, Kuwabara discloses determining whether the message which has

been received is for the device or whether the message which has been received has been received

has a user of the computer as an end recipient (see col.5, lines 65-67, col.6, lines 1-22).

6.   Regarding to claim 3, Kuwabara discloses displaying, after the receiving step, a message

to the user indicating the electronic mail message contains information to be forward to the

device, wherein the determining step comprises: determining by a user reading the message which

has been displayed, whether the message which has been received is for the device (see col.5, lines 65-67, col.6, lines 1-22).

7.   Regarding to claim 8, Kuwabara discloses receiving an Internet electronic mail message (see col. 6, lines 13-16).

8.   Regarding to claims 12, 34, Kuwabara discloses determining that the message is for a device automatically by detecting a characteristic of the email (see col.6, lines 1-17).

9.   Regarding to claims 13, 35, Kuwabara discloses determining that the message is for a device automatically by detecting a code within the message (see col.6, lines 1-35).

10.   Regarding to claims 14, 15, 36, 37, Kuwabara discloses determining that the message is for a device automatically by detecting the code which is the subject of the message (see col.5, lines 10-20, col. 6, lines 1-35).

11.   Regarding to claims 16, 38, Kuwabara discloses the determining step is performed in response to a receipt of an incoming electronic mail message (see col.5, lines 50-67, col.6, lines 1-3).

12.   Regarding to claims 17, 39, Kuwabara discloses the determining step is performed in response to a receipt of an incoming electronic mail message which is detected by monitoring an existence of a file stored at a predetermined location in memory (see figures 3-4, col.5, lines 50-67, col.6, lines 1-3).

13. Regarding to claims 20, 42, Kuwabara discloses the computer is a message transfer agent, the step of transmitting information from the device transmits the information from the device directly to the computer which is the message transfer agent, and the step of transmitting the electronic mail message transmits the electronic mail message using a TCP connection from the computer which is a message transfer agent (see col.5, lines 1-67, col.6, lines 1-3).

14. Regarding to claim 24, Kuwabara discloses determining whether the message which has been received is for the device or whether the message which has been received has been received has a user of the computer as an end recipient (see col.5, lines 1-67, col.6, lines 1-3).

15. Regarding to claim 25, Kuwabara discloses for displaying a message to the user indicating the electronic mail message contains information to be forwarded to the device, wherein the means for determining comprises: means for determining , by a user reading the message which has been displayed whether the message which has been received is for the device (see col.5, lines 1-67, col.6, lines 1-3).

16. Regarding to claims 45, 50, Kuwabara discloses receiving data from the device, in response to the step of operating the processor; creating an electronic mail message by the computer including the data which has been received; and transmitting over the Internet the electronic mail message generated by the computer (see figure 1-2, col.5, lines 1-67, col.6, lines 1-3).

17.   Regarding to claims 46, 51, Kuwabara discloses executing, by a device driver of the

computer, commands for at least one of controlling and monitoring the device (see figure 1-2,

col.5, lines 1-67, col.6, lines 1-3).

18.   Regarding to claims 48, Kuwabara discloses transmitting the communication as a command

for processing by the processor of the device (see figure 1-2, col.5, lines 1-67, col.6, lines 1-3).

19.   Regarding to claim 52, Kuwabara discloses means for transmitting the communication as a

command for processing by the processor of the device (see figure 1-2, col.5, lines 1-67, col.6,

lines 1-3).

20.   Claims 4, 5, 6, 7, 9,. 26, 27, 28, 29, 30, 31 are rejected under 35 U.S.C. 103(a) as being

unpatentable over the combined system of Kuwabara - Motoyama in view of Forse'n (U.S.Patent

No.6,073,166).

Regarding to claims 4, 26, the combined system of Kuwabara and of Motoyama

discloses the substantial features as limitations of claim 3.

However, the combined system of Kuwabara and of Motoyama does not disclose

executing a command which causes the step of transmitting to be performed.

Forse'n discloses module of executable code is derivable automatically for automatically

starting the execution thereof together with the associated data when Internet Mail is read;

comprising:

♦   executing a command which causes the step of transmitting to be performed.(see col.1,

lines 10-24, lines 10-24, lines 30-35, col.2, lines 27-30, col.3, lines 1-2, lines 30-31, lines

42-45).

Given the teaching of Forse'n, it would have been obvious to one of ordinary skill in the

art at the time of the invention to modify the combined system of Kuwabara and of Motoyama to

execute a command which causes the step of transmitting to be performed. because E-mail

messages transmit from the computer which is attached to the device which include information

regarding the status or capabilities of the device. Therefore, the attached file is an executable file

which allows a user A ("clicking" or "double-clicking") to execute the program code contained

within the attached file.

21.   Regarding to claims 5, 27, Forse'n discloses executing program code of a file which is

attached to the message by a manual action by the user (see col.3, lines 30-32).

22.   Regarding to claims 6, 28, Forse'n discloses executing the program code of the file by

pointing, using a pointing device and a graphical user interface, to an object representing the file

(see col.3, lines 30-32).

23.   Regarding to claims 7, 29, Forse'n discloses executing the code by pressing a button while

pointing to the object representing the file (see figure 3, col.3, lines 30-38).

24.   Regarding to claim 9, Kuwabara discloses the step or executing a command comprises

transmitting information to a device driver executing within the computer; and the step of

transmitting is performed using device driver (see figure 1, figure 2, col.2, lines 29-31, col.5, lines 65-67, col.6, lines 1-22).

25.　Regarding to claim 30, Kuwabara discloses the means for receiving an Internet electronic mail message (see col.5, lines 1-67, col.6, lines 1-3).

26.　Regarding to claim 31, Kuwabara discloses the means for executing a command comprises means for transmitting information to a device driver executing within the computer; and the means for transmitting operates using the device driver (see figures 1-2, User A-C or Users 1-3, col.5, lines 1-67, col.6, lines 1-3).

27.　　Claims 10, 11, 21, 22, 32, 33, 43, 44, 47, 49, 53 are rejected under 35 U.S.C. 103(a) as being unpatentable over the combined system of Kuwabara - Motoyama in view of Miyachi (U.S.Patent No 6,108,492).

Regarding to claims 10, 32, 45, the combined system of Kuwabara and of Motoyama discloses the substantial features as limitations of claim 1.

However, the combined system of Kuwabara and of Motoyama does not disclose receiving, by the device, the communication transmitted from the computer; and transmitting parameters from the device to the computer, in response to the communication which has been received by the device.

Miyachi discloses the present invention relates generally to method of scheduling and facilitating maintenance and repair of electronic equipment, more particular to devices use

multifunction peripherals (printer, scanner, fax-data-voice (FDV) modem) which have advanced

self-monitoring capabilities; comprising:

♦   receiving, by the device, the communication transmitted from the computer; and

transmitting parameters from the device to the computer, in response to the

communication which has been received by the device (see abstract, col.1, lines 65-67,

col.2, lines 1-5, lines 25-35, col.3, lines 40-50, col.8, lines 60-67, col.9, lines 25-34, lines

40-47, col.10, lines 5-7, lines 28-67).

Given the teaching of Miyachi, it would have been obvious to one of ordinary skill in the

art at the time of the invention to modify the combined system of Kuwabara and of Motoyama to

receiving, by the device, the communication transmitted from the computer, and transmitting

parameters from the device to the computer, in response to the communication which has been

received by the device because it would have enable troulbe diagnosing computer to know status

information of devices before remoting dignostic of the business office devices.

28.   Regarding to claims 11, 33, Miyachi discloses performing a mechanical action by the

device, in response to the communication which has been received by the device (see col.3, lines

35-50, lines 60-67, col.8, lines 65-67, col.9, lines 25-35, lines 40-47, col.10, lines 5-7, lines 28-

67).

29.   Regarding to claims 21, 43, Miyachi discloses creating a file corresponding to the

information; and writing the file to database directory of the computer, and wherein the step of

transmitting the message comprises transmitting the message corresponding to the information

using the file stored in the database directory (see col.1, lines 65-67, col.2, lines 1-10, lines 25-35,

col.3, lines 35-67, col. 5, lines 5-8, col.8, lines 60-67, col.9, lines 25-34, lines 40-47, col.10, lines

5-7, lines 28-67).

30.   Regarding to claim 22, 44, Miyachi discloses creating and writing comprises creating a

plurality of files and writing the plurality of files in the database directory; and the step of

transmitting comprises transmitting the message using each of the plurality of files stored in the

database directory (see col.1, lines 65-67, col.2, lines 1-10, lines 25-35, col.3, lines 35-67, col. 5,

lines 5-8, col.8, lines 60-67, col.9, lines 25-34, lines 40-47, col.10, lines 5-7, lines 28-67).

31.   Regarding to claims 47, 49, 53, Miyachi discloses wherein the business office device at

least one of generates an image on a recording medium and scans an image on a recording

medium (see col.2, lines 27-35).

32.   Claims 19, 41 are rejected under 35 U.S.C. 103(a) as being unpatentable over the

combined system of Kuwabara - Motoyama.

        Regarding to claims 19, 41, the combined system of Kuwabara and of Motoyama discloses

the substantial features as limitations of claim 18.

        However, the combined system of Kuwabara and of Motoyama does not disclose

transmitting the information from the device driver to a message application programming

interface (MAPI) of the computer; and processing the information by the MAPI, wherein the step

of transmitting the electronic mail message comprises transmitting mail message corresponding to the information which has been processed by the MAPI.
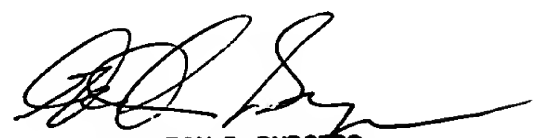
It would have been obvious to modify the combined system of Kuwabara and of Motoyama by employing message application program interface (MAPI) of the computer, and processing the information by the MAPI, wherein the step of transmitting the electronic mail message comprises transmitting mail message corresponding to the information which has been processed by the MAPI . It is standard for window operation system (see description of the preferred embodiments, page 29, lines 9-14).

Conclusion

33.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuong Ho whose telephone number is (703)306-4529. The examiner can normally be reached on Monday-Friday from 9am to 3pm.

34.   If attempt to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Burgess, Glenton, can be reached on (703)305-4792.

Any inquiry of a general nature or relating to the status of this application or proceeding should be direct to the group receptionist whose telephone number is (703) 305-3900.

CH

Date 01-02-01

GLENTON B. BURGESS
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